



Clean air
pioneers
since 1858

Technical Information

DOCKSAFE[™]
Multi-Connection System

The flexible multi-purpose plug + play connection system.

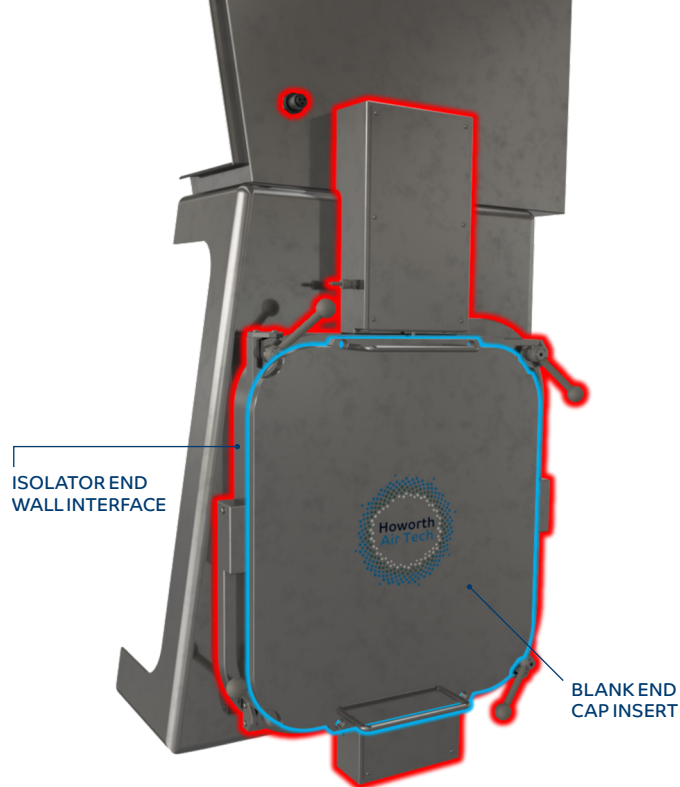
Providing future flexibility of your Containment Isolators.

Patented DockSafe™ system

To design for today and tomorrow, Howorth have developed the revolutionary and patented DockSafe™ multi-connection system. This enables flexibility and interchangeability for stand alone isolators to change their input/exit transfer methods and to 'dock' onto other systems including, but not limited to, other isolators, kilo-labs, hoods and fume cupboards.

The DockSafe™ system allows an isolator to be multi-functional and future proof providing significant benefits to the manufacturing of APIs and HPAPIs particularly where a quick response to market is required.





INTERFACE & INSERT VIEW

The DockSafe™ plug-in end caps allow the isolator interface to have multi-functional ends such as RTP and Pass-Through Hatches and allows different isolators to be connected together. If in the future the isolator needs a different set-up to accommodate a different process or separate piece of equipment, then a bespoke end piece can be designed and manufactured.

Refer to page 05 to see the end cap options currently available.

Seamless Seal

When a DockSafe™ end cap is docked, the inflatable seal provides a seamless smooth transfer. The easily cleaned inflatable seal is the primary seal for the system, and there is also a back-up mechanical o-ring seal.



CLOSE UP OF THE INFLATABLE SEAL

DOCKSAFE™

Set-Up

The set-up of DockSafe™ is configured by the isolator PLC System and is accessed by the HMI on the isolator with administration or engineering rights. Once in the set-up section the operator or technician can select the predetermined end cap options (see page 05) that can be configured to the DockSafe™ System.



DOCKSAFE™

End Cap Options

Standard Options

- Blank End Cap
- 190 or 270 RTP End Cap
- Bag-Out Port End Cap
- Pass-Through Airlock End Cap
- Interconnecting Isolator Pass-Through Airlock End Cap
- Isolator to Isolator Interconnecting Sleeve
- Isolator to Kilo or Fume Hood/Cupboard connection
- Mechanical handling device including lifting head options for end caps

Custom Options

- Flexible Isolator Connection
- Isolator to Isolator Interconnection Sleeve with Bag-Out System
- Other options available on request



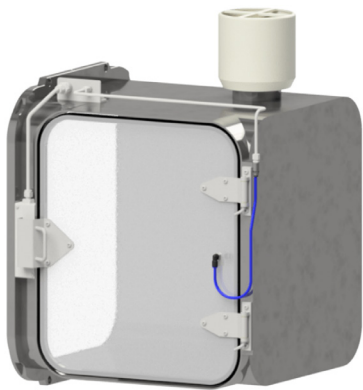
DockSafe™ Blank End Cap



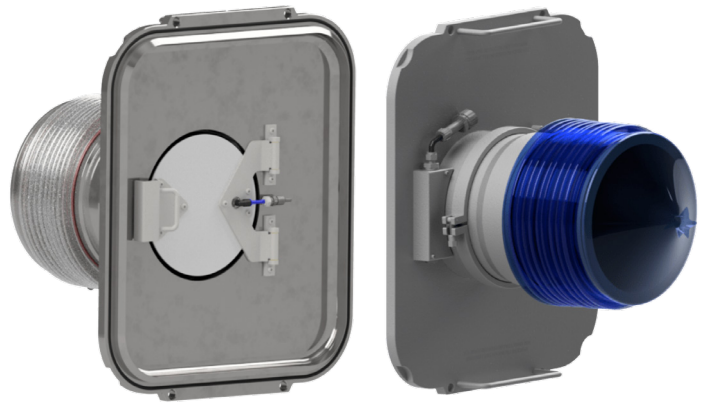
DockSafe™ 190 or 270 RTP End Cap



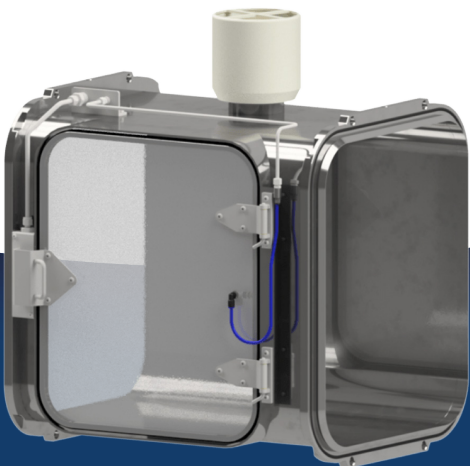
DockSafe™ Pass-Through Airlock End Cap



DockSafe™ Bag-Out Port End Cap



DockSafe™ Interconnection Isolator Pass-Through Airlock End Cap



DockSafe™ Isolator to Isolator Interconnection Sleeve



With advanced air technology, comes a more advanced understanding of your needs.

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